

TOSHIBA

Satellite® 5205 Series

Ultimate digital convergence notebook

Model(s):

Satellite 5205-S505

P4 2200/15.0" SXGA+/512MB/60GB/DVD-CD/RW/Mdm/LAN/WinXP Home

Satellite 5205-S506

P4 2200/15.0" SXGA+/512MB/60GB/DVD-CD/RW/Mdm/LAN/WinXP Pro

Product Highlights

Performance

- Mobile Intel® Pentium® 4 processor-M at 2.20GHz
- 512MB of Main Memory
- 60GB* hard disk drive

Convenient design

- New Toshiba Style Bay
- New Toshiba Remote Control device

Great Features

- NVIDIA® GeForce4™ 460 Go, 32MB DDR video memory
- DVD-CDRW multi-function drive
- 15.0" SXGA+ active matrix display

Get On-Line

- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN
- *Optional Upgrade:* Integrated 802.11b Wireless LAN

System Characteristics

CPU (See CPU Disclaimer)

- Mobile Intel® Pentium® 4 processor-M at 2.20GHz *
- Integrated co-processor

L2 Cache

- 512KB Level 2 Cache integrated on die
- 400MHz Processor System Bus Clock Speed (PSB)

Memory

- 512MB SDRAM (**Expandable to 1024MB**)
(*Both slots may be occupied*)
- Expansion memory: 128/256/512MB, 2.5V, SODIMM, PC2100 DDR SDRAM
- Data/Address Bus Width: 64-bit/32-bit
- Intel® 845MP Chipset

Mass Storage

- **Primary Hard Disk Drive:** 60GB* hard disk drive, Enhanced IDE (ATA-5) Interface, 4200rpm drive rotation; 9.5mm height, 0.2lbs., Service removable
- **DVD-CDRW:** Enhanced IDE (ATA-2) Interface; Maximum speed: CD-R(24x), CD-RW(10x), CD-ROM(24x), DVD-ROM(8x); Compatibility: CD-ROM, CD-R (read/write), CD-RW (read/re-write), DVD-ROM. DVD-R (read only), 12.7mm height, service removable
- **Toshiba Style Bay (selectable Bay):** Optional Compatibility: 2nd HDD, DVD-ROM, CD-RW, DVD/CDRW, DVD-R/RW, Bridge Media adapter (supports Compact Flash, Memory Stick and SmartMedia)
- Software Decoder: InterVideo® (WinDVD™)

Graphics/Video

- 15.0" SXGA+ active-matrix display; internal display supports up to 16M colors at 1400 x 1050
- **NVIDIA® GeForce4™ 460 Go** graphics controller; 32MB 250MHz DDR external video memory
- Direct 3D support, Open GL support, Direct Video, Direct MPEG, Motion Competition
- External Color Support/Refresh Rate:
800 x 600; 100Hz Non-Interlaced @16M
1024 x 768; 100Hz Non-Interlaced @16M
1280 x 1024; 100Hz Non-Interlaced @16M
1600 x 1200; 85Hz Non-Interlaced @16M
1920 x 1440; 60Hz Non-Interlaced @16M
2048 x 1536; 60Hz Non-Interlaced @16M

Input Devices

- **Keyboard:** Full sized 85 keys with 12 function keys, 2.7mm key

Part Numbers

PS520U-31P1RV

PS520U-31P1R6

stroke, 6mm height; Dedicated Windows® & Application keys support; HotKey function; **TouchPad** pointing device with Scroll function (wheel).

- **Toshiba Remote Control function:** Power On/Shut Down, CD/DVD/Digital Audio play control, Volume Control, Keyboard Emulation, Task change, Maximize Window, TV button
- **CD Control Function:** Play/Pause, Stop/Eject, Previous, Skip/Next, Mode Control switch (CD/DVD/Digital Audio)
- Toshiba Console button & Instant Access Internet button
- One Touch TV-out switch

Expandability

- 2 memory slots (*Both slots may be occupied*)
- 1 PC Card slot supports 1 Type II

Communications

- Integrated V.92/56K modem; Data and fax support
- Integrated 10/100 Ethernet LAN
- *Optional Upgrade:* Integrated 802.11b Wireless LAN

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during Download. Actual data transmission speeds will vary depending on line conditions.

Ports

- RGB (monitor) port
- 3 Universal Serial Bus ports (**USB 2.0**)
- Infrared port
- TV-Out (NTSC/PAL output; 3.5mm mini jack, bundled RCA conversion cable)
- RJ-45 LAN port
- RJ-11 modem port
- S/P DIF – headphone port (integrated to S/P DIF), Dolby AC3 Digital support (S/P DIF Optical)
- I.Link (IEEE 1394) port
- Secure Digital (SD) card slot

Physical Description

- Dimensions (LxWxH): 12.9" x 11.6" x 1.8"
- Weight: 7.1lbs
- LED Indicators: Power, Power Save Mode (with ACPI-OS-common to power), HDD, 2nd HDD (T-Style Bay ODD), DVD/CDRW, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status, 2nd Battery Charging Status, Remaining Battery life (on Sub LCD), System Sleep/Suspend Status, SD Card, Wireless Communication (left side)

Sound

- Yamaha YMF753 Codec Chip
- 16-bit stereo, Windows Sound System Ver. 2.0; SoundBlaster® Pro compatible (in DOS box only)
- **Built-in harman/kardon Stereo Speakers with subwoofer**
- 3D sound support with HRTF 3D positional audio; Direct 3D Sound (supported by sound driver); Hardware acceleration for DirectSound and DirectMusic; Full Duplex and MIDI (play back) support, 64 voices
- Sound Volume (by Dial)
- **Ports:** External Microphone port, headphone port (integrated to S/P DIF), Line-in port, Line-out (unified with TV-Out), Dolby AC3 Digital support (S/P DIF Optical)

Power Supply

- **AC Adapter:** 75W AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 15V x 5A Output.

Dimensions (LxWxH): 5.5" x 2.2" x 1.1"

Weight: 0.81lbs

- **Battery Pack:** 9-cell, rechargeable, removable Lithium Ion (Graphite) battery; 10.8V x 6300mAh

Dimension (LxWxH): 7.9" x 2.6" x 0.8"

Weight: 1.14lbs



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Optional Second Battery (Toshiba Style Bay Battery Pack): 6-cell, rechargeable Lithium-Ion (Graphite) battery; 10.8V x 3000mAh; 0.6lbs.

- **Battery Saver (in WindowsXP):** Stand by, HDD Auto Off, Display Auto Off, Throttling, Hibernation
- Up to 3H battery life
Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit www.accessories.toshiba.com

Security

- Slot for computer lock, HDD and memory (by screw only), Built-in Modem/LAN (screw only), User Power-on password, Setup Security, HDD Password, Keyboard Lock (by HotKey), Screen Blank (by Hotkey), Screen Saver (by software)

Bios

- ACPI, VESA, DPMS, DDC, SM BIOS, PCI BIOS support

Operating System

- Microsoft® Windows XP Home pre-installed (**5205-S505**)
- Microsoft® Windows XP Pro pre-installed (**5205-S506**)
- Windows 2000 component drivers on the web

Additional Software

- Microsoft® Works (**5205-S505 only**)
- Intuit® Quicken® Basic 2001
- Norton® AntiVirus™ 2002
- AOL® (3-month offer)
- Adobe® Acrobat Reader
- AT&T® Worldnet® Service – 1 Month Free
Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only. Offer expires 4/30/04.
- Microsoft Internet Explorer
- Toshiba Custom Utilities
- Satellite Series Online Documentation
- **Toshiba Great Software Offer:** Receive your choice of two software titles. The software selection includes titles from the follow categories; productivity, education/reference, creativity and entertainment

Warranty

- 1 year parts, labor and battery

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80% non-condensing; Non-operating: 10% to 95% ono-condensing
- **Altitude (relative to sea level):** Operating: -60 to 3000 meters; Non-operating:-60 to 10,000 meters
- **Shock:** Operating: 10G; Non-operating: 60G
- **Vibration:** Operating: 0.5G; Non-operating: 1.0G

Product/Part Numbers

Satellite 5205-S505 (Win XP Home)	PS520U-31P1RV
Satellite 5205-S506 (Win XP Pro)	PS520U-31P1R6

Accessories

Toshiba Accessories

PA3215U-1ACA	Global AC Adapter
PA3216U-1BRS	9-cell Li-Ion Battery (5205 Series models only)
PA3109U-1FDD	USB 3.5" Floppy Disk Drive
PA3217U-BRS	Toshiba Style Bay 2 nd Battery Pack (6-cell)
PA3218U-1DVD	Toshiba Style Bay DVD-ROM
PA3257U-1DV2	Toshiba Style Bay DVD-R/RW
PA3221U-1CD2	DVD-ROM/CDRW Multifunction Drive
PA1314U-1N60	Toshiba Style Bay 60GB Hard Disk Drive w/Adapter
PA3224U-1ETC	Toshiba Style Bay Bridge Media Adapter
PA3091U-1CHG	Battery Charger w/AC Adapter
PA3212U-3MPCR	Agere 802.11b Mini-PCI Card

Kingston Memory

KTT-3614/128	128MB PC2100 DDR SDRAM
KTT-3614/256	256MB PC2100 DDR SDRAM
KTT-3614/512	512MB PC2100 DDR SDRAM

TOSHIBA SD Memory

SD-M3203B3	32MB Secure Digital Card
SD-M6403B3	64MB Secure Digital Card
SD-M1283B3	128MB Secure Digital Card

Targus (Cases-Security)

NWCGV1	Targus Global Traveler Carrying Case (Only case suitable for this unit)
PA450U	Targus Defcon Key Lock

* Go to www.accessories.toshiba.com for additional, available accessories

* **GB = 1 Billion Bytes**

** Central Processing Unit ("CPU") Performance Disclaimer:

CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95° F) or >25°C (77°F) at high altitude (all temperature references are approximate).

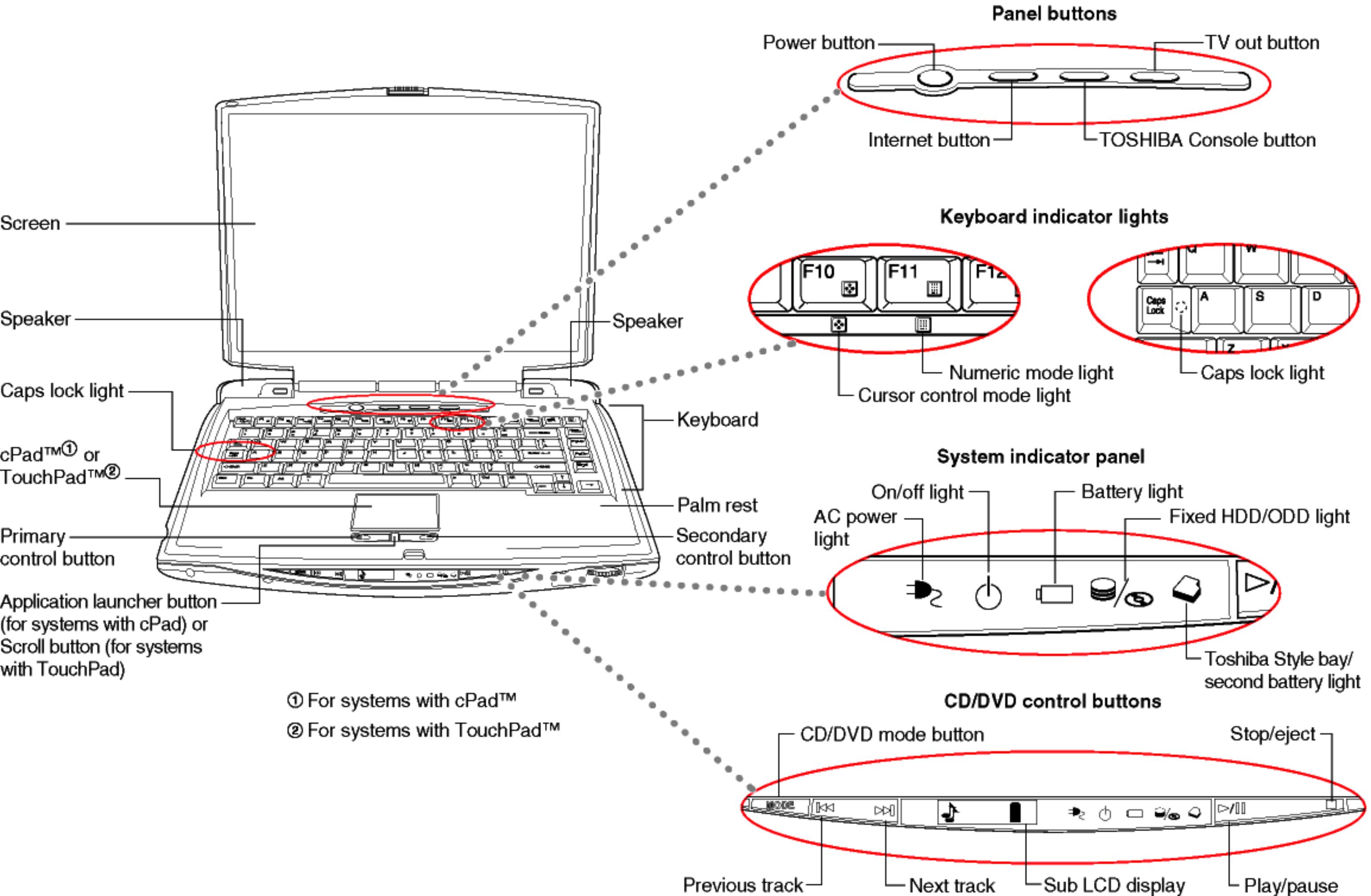
CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shutdown. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

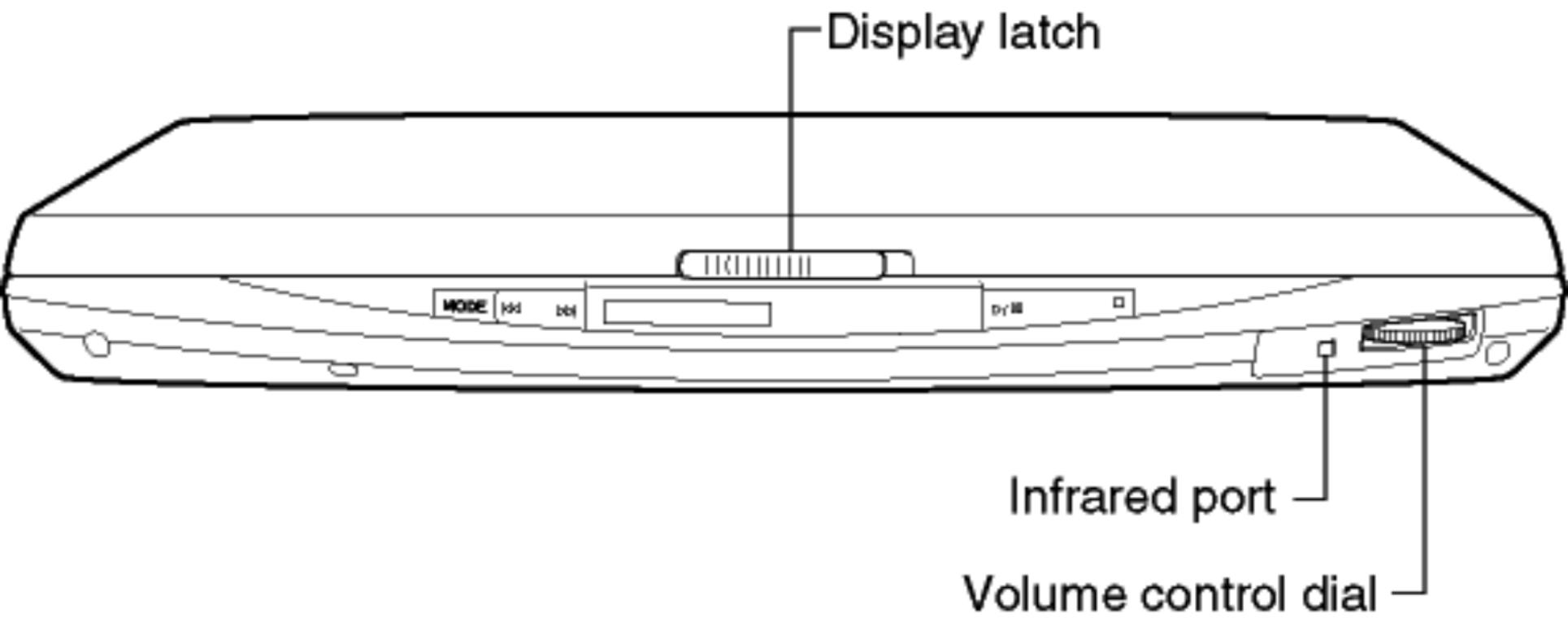
Return Policy

TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

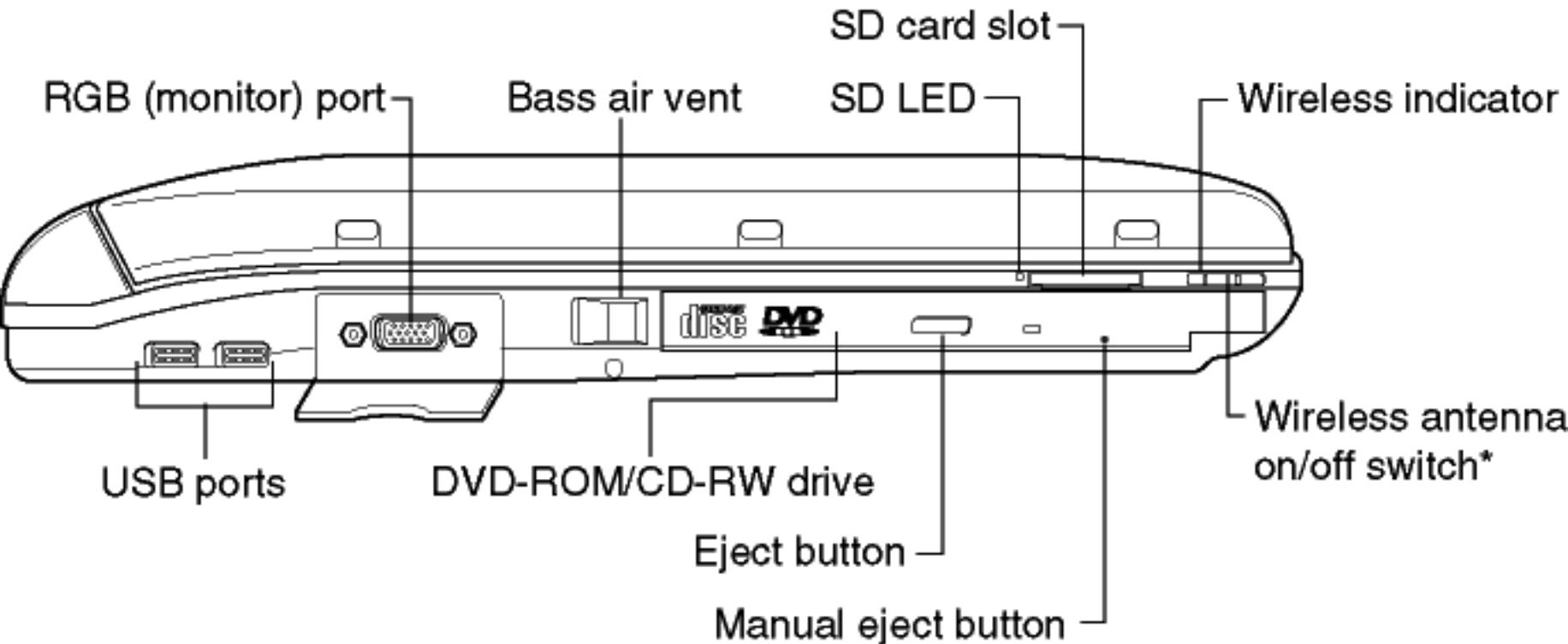
Front with display open



Front with display closed

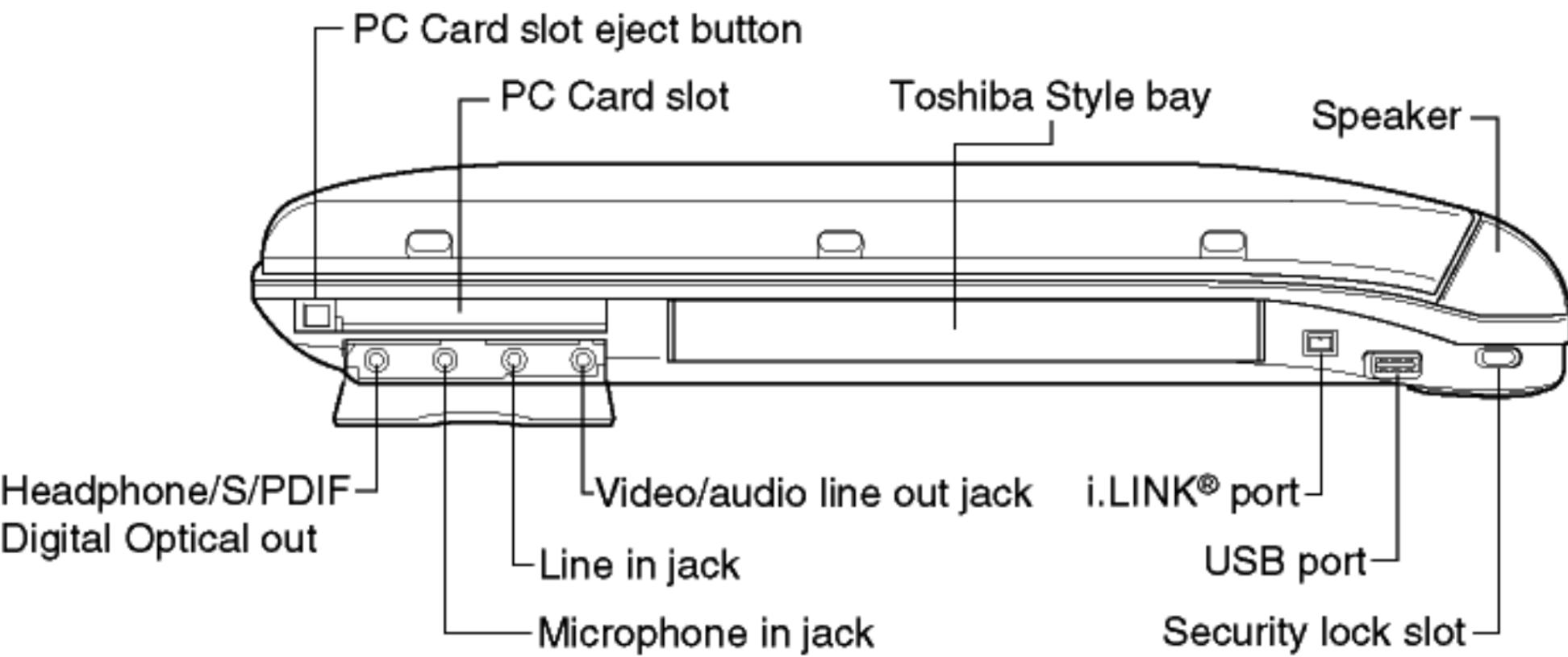


Left side

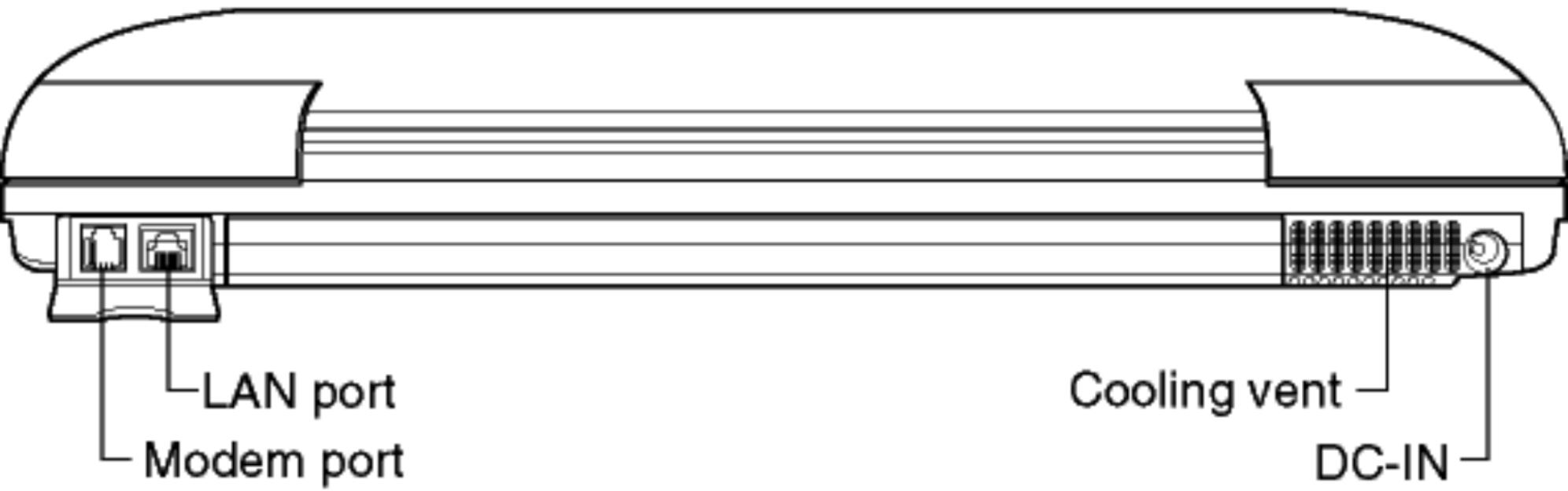


*Only functional for systems with Wi-Fi™

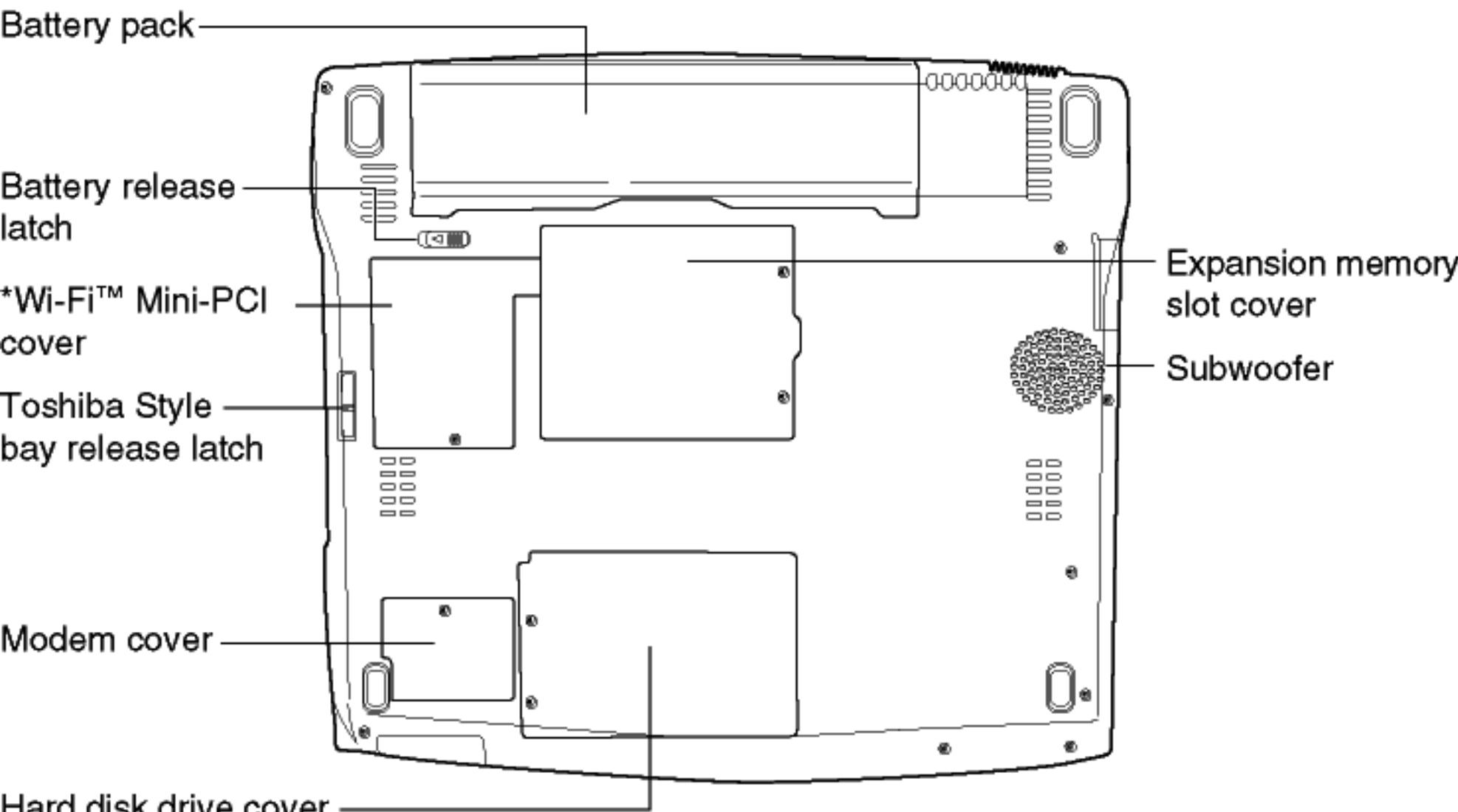
Right side



Back



Underside



*Wi-Fi™ Mini-PCI module is optional.